

Fig. 1
architecture

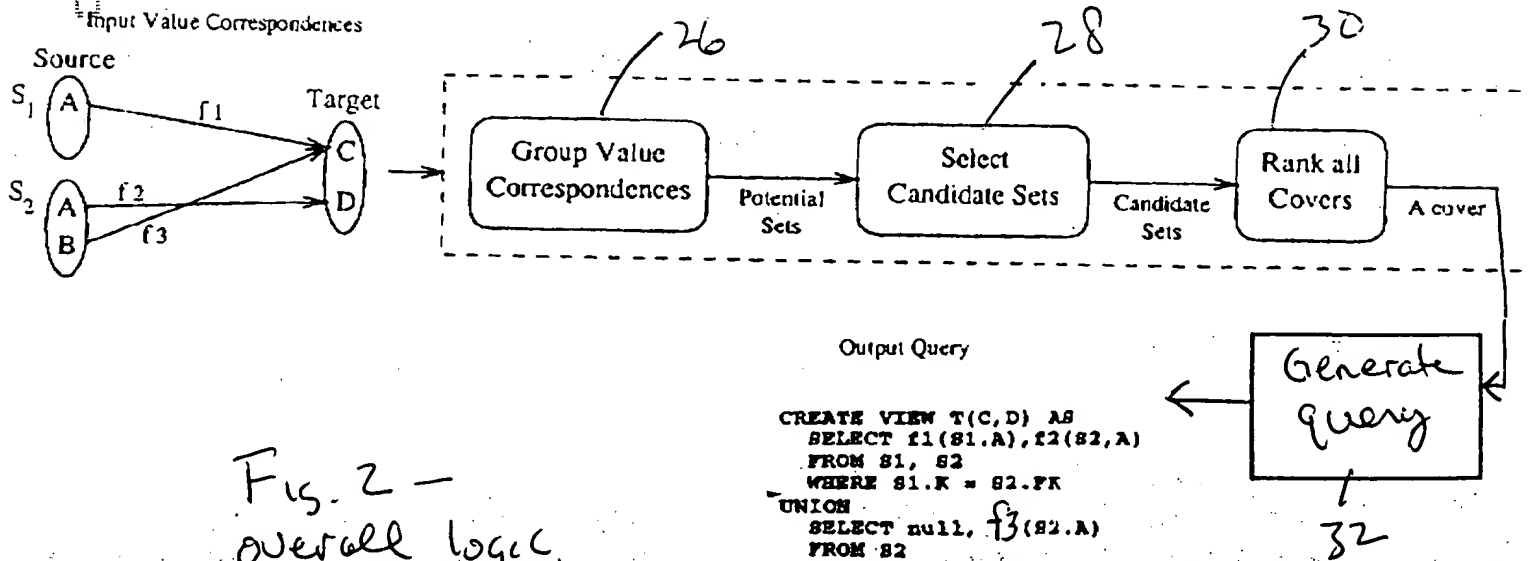


Fig. 2 -
overall logic,
batch mode

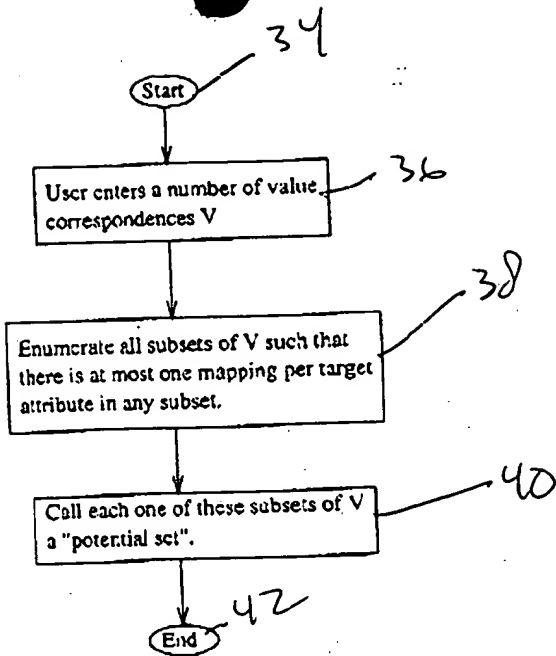


Figure 3 Computing all potential sets

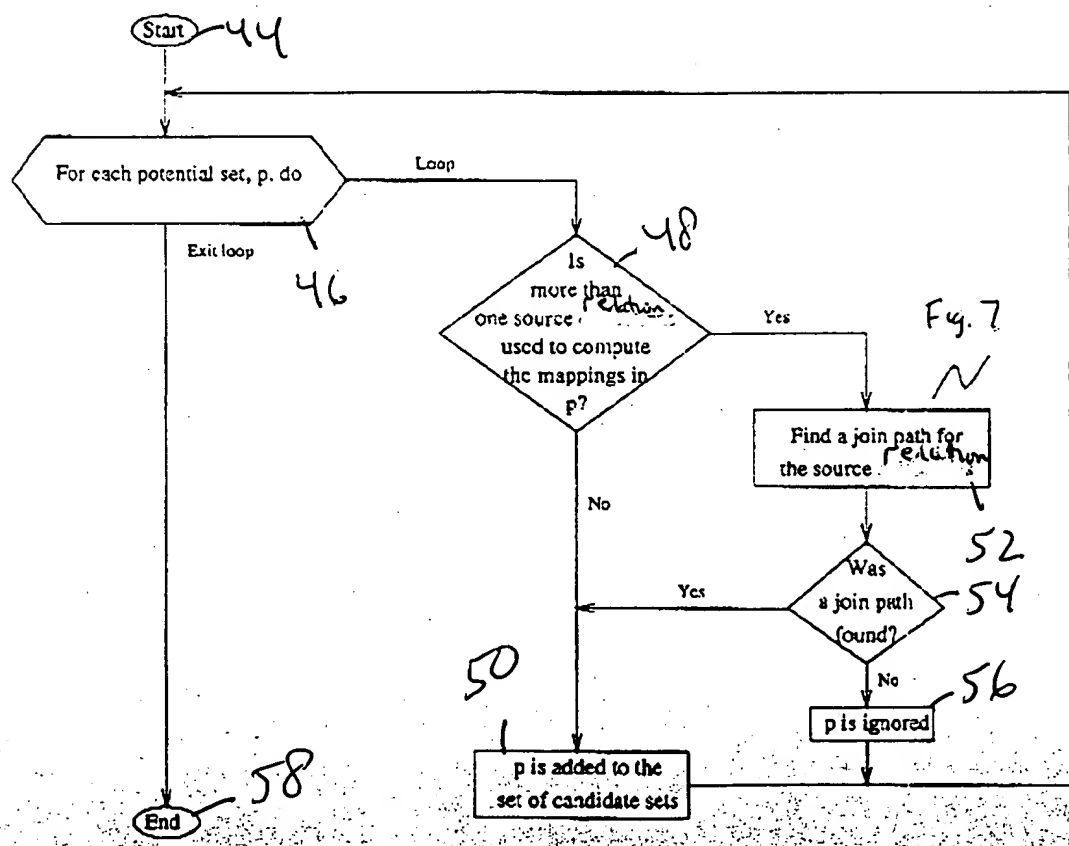


Figure 4 Computing all candidate sets

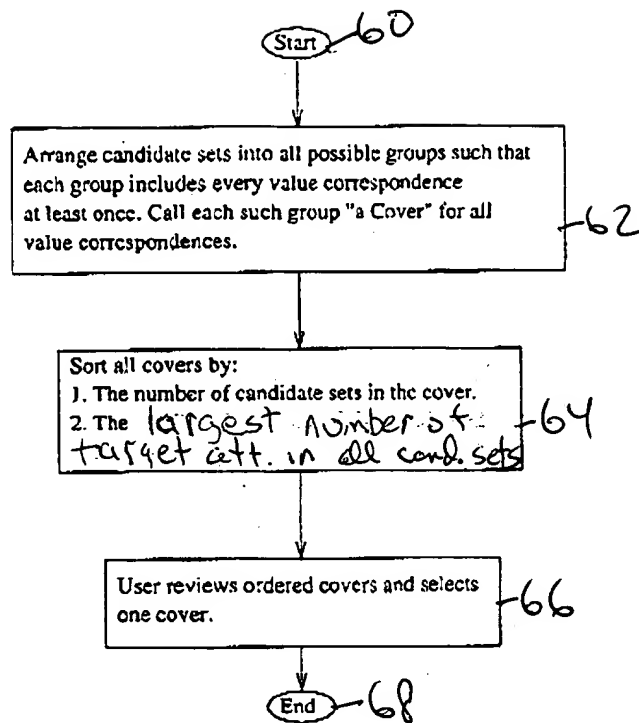


Figure 5 Forming all covers

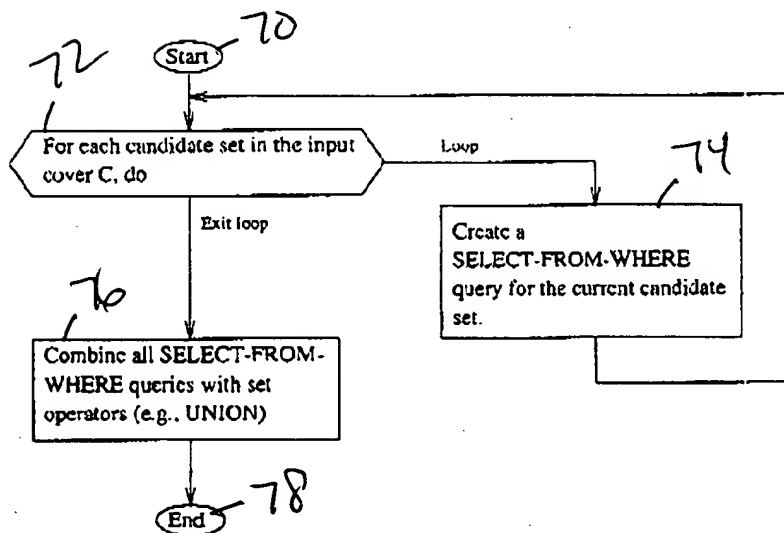


Figure 6 The SQL mapping

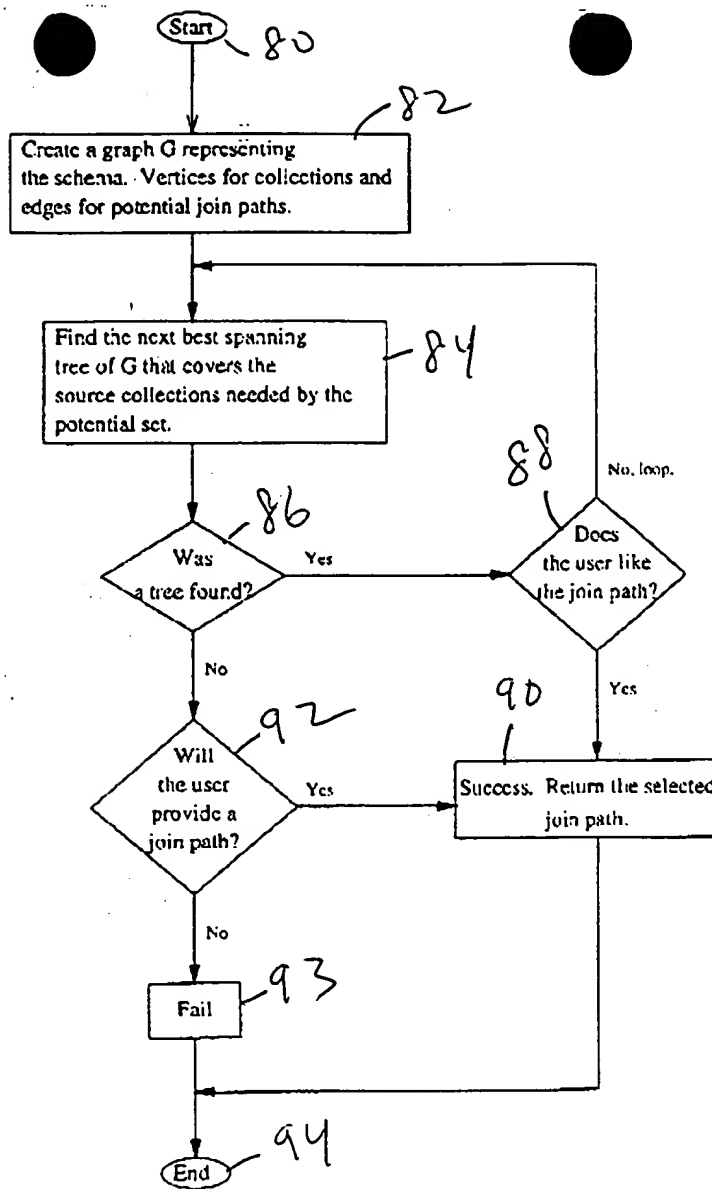


Figure 7 Selecting a join path

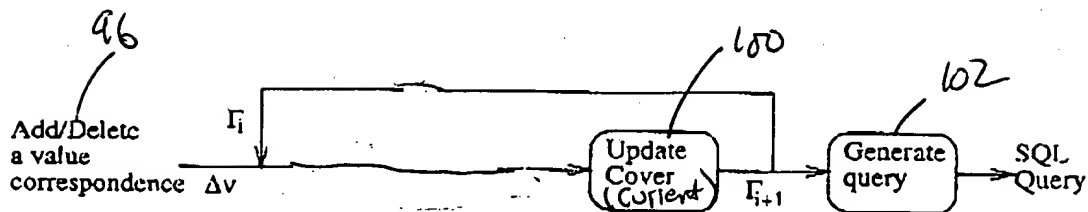
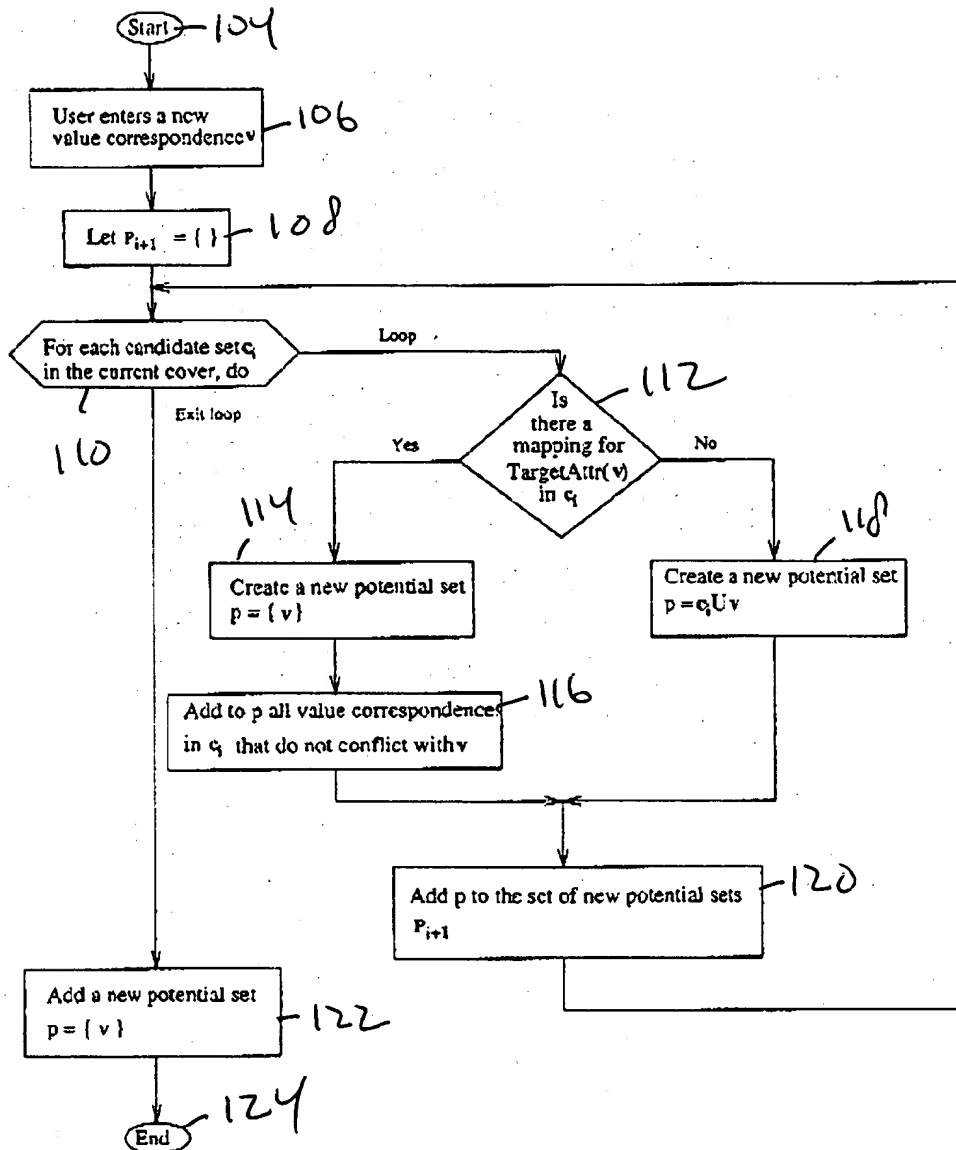


Figure 8 Incremental Algorithm



Figure

Compute the new potential sets

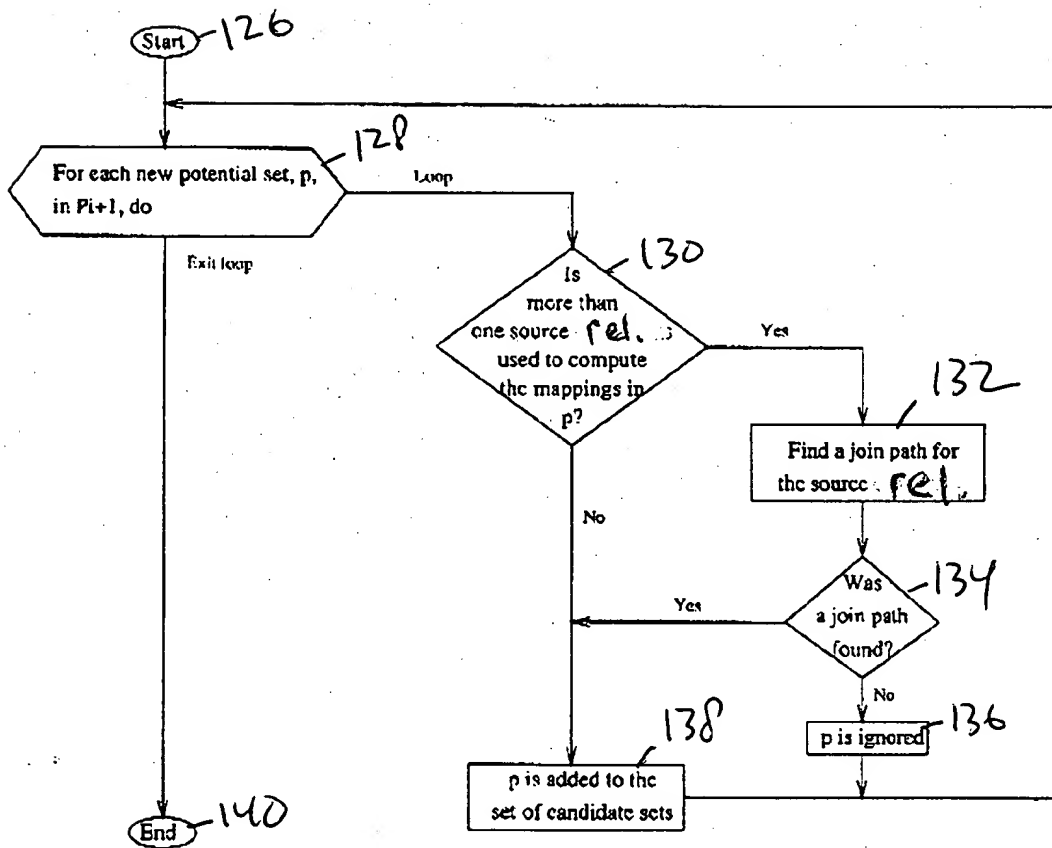


Figure 10: Compute the new candidate sets

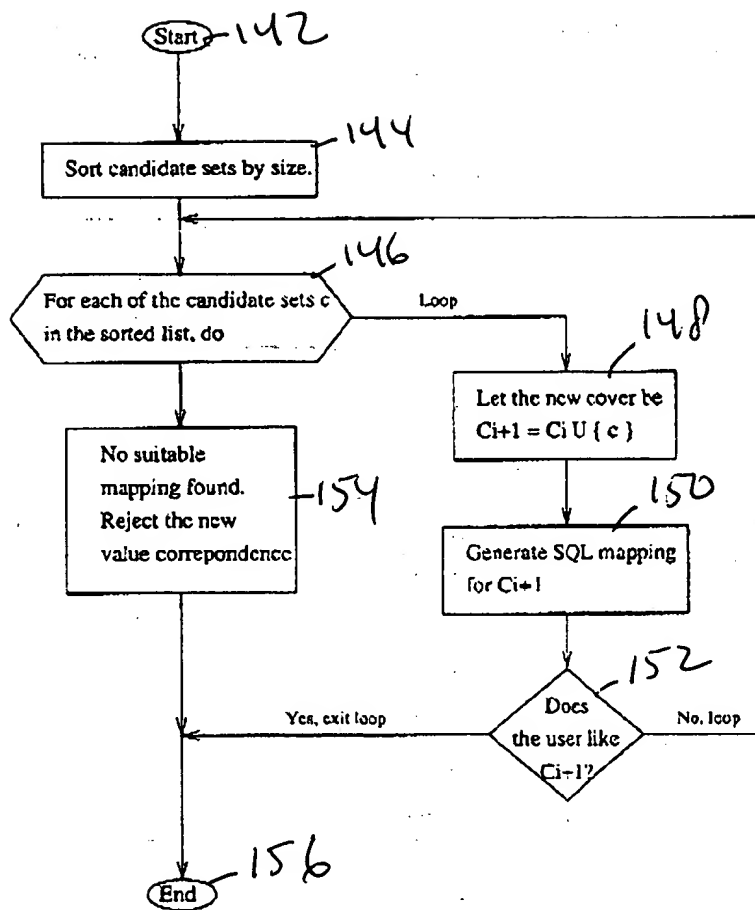


Figure 11 Select a new cover and SQL mapping

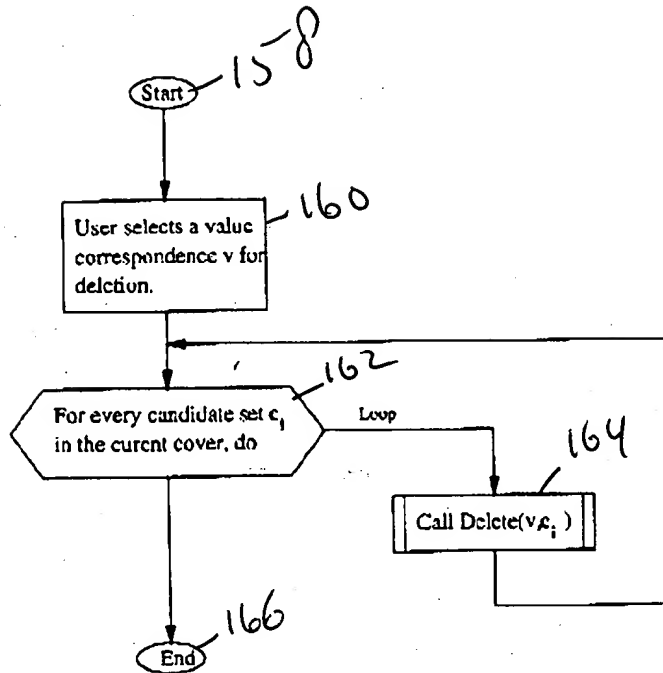


Figure 12. Deleting a value correspondence

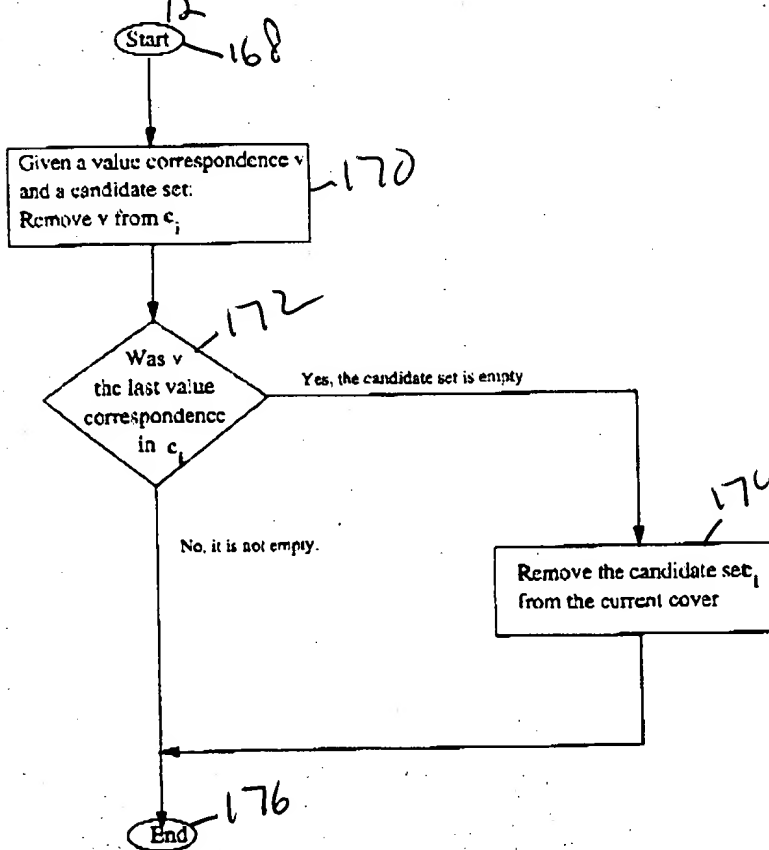


Figure 13. Delete(v, c_i)